DEPARTMENT OF RENEWABLE ENERGY ENGINEERING

Activities and Achievements

Activities

1. Teaching activity: Various courses Under Department of Renewable Energy Engineering

Sr. No.	Course Name	Course No.	Credit	L	P	T
1	Engineering Physics	Phy (E)-101	3 (2 + 1)	2	1	0
2	Engineering Chemistry	Chem (E)-101	3 (2 + 1)	2	1	0
3	Environmental Science	ES - 101	3 (3 + 0)	3	0	0
4	Renewable Energy Sources	RE - 202	3 (2 + 1)	2	1	0
5	Design of Structures	RE - 302	3 (2 + 1)	2	1	0
6	Renewable Energy Technology	RE - 401	3 (2 + 1)	2	1	0
7	Design and Maintenance of Greenhouse	RE - 403	3 (2 + 1)	2	1	0
8	Environmental Engineering	RE - 405	3 (2 + 1)	2	1	0
9	Biomass Management for Fodder and Energy	RE - 407	2 (1 + 1)	1	1	0

S.No.	Course Name	Course No.	Credit
1	Project	AE - 401	6
2	Seminar	AE - 403	1

1	**In-Plant Training :** Student will undertake in-plant training of 25 credits hours which will include practical training at the Institution, training in one (4 months) / two (2 months each) Industrial Units and Educational tour.	AE (RE) - 404	**15**
		Total	**15**

2. Research:

Ongoing and completed University Research Project under REE

1) Design and Development of Low cost solar still.
2) Design and Development of Biomass based community cooking stove.

3. Extension:

Information and demonstration of developed technologies under Department of Renewable Energy Engineering were given in various exhibition, Krishimahatsav, kissan mela etc

Achievements

Recommendation

N.A.U. developed biomass based funnel shaped cook stove having 0.80 m reactor height, 0.30 m inner and 0.40 m outer reactor diameter is recommended for community cooking of 60-70 meals using sag and khakra wood branches with dimension 5 to 7 cm in diameter and 30 to 35 cm length as feed stock for average efficiency of 20.19 %.